

2010 Scheme

Q.P. Code 106001

Reg. No.:.....

First Professional MBBS Degree Supplementary Examinations January 2026

Biochemistry - Paper II

Time: 3 hrs

Max marks: 50

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay (10)

1. Describe the process of transcription. Add a note on post transcriptional modifications and inhibitors of transcription. (5+3+2)

Short essays (2x5=10)

2. Formation and fate of bilirubin.
3. Mention the normal blood level of calcium. Discuss the factors influencing absorption of calcium.

Short notes (5x3=15)

4. Metabolic acidosis.
5. Applications of radio active isotopes.
6. Salient features of genetic code.
7. Wald's – Visual cycle.
8. Glomerular function tests.

Answer briefly (5x2=10)

9. What is western blotting. Give its applications.
10. What is Hyponatremia. Name any one cause.
11. Conjugation phase of detoxification.
12. Name any two Porphyrias with their enzyme defects.
13. Describe the structure of immunoglobulins.

Give precise answers (5x1=5)

14. Vitamin C cannot be synthesized in human beings. Give reason.
15. Name TWO post translational modifications.
16. Name any TWO Oncofetal antigens.
17. What is Microalbuminuria. Give its importance.
18. Name any TWO diseases associated with copper metabolism.
